

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. 99-65
(Revised on June 3, 2005)

FOR

CITY OF UKIAH
WASTEWATER TREATMENT AND DISPOSAL FACILITY

Mendocino County

WASTEWATER MONITORING

Monitoring Discharge to the Holding Ponds:

Samples shall be collected at a point of discharge to the holding ponds (Serial 002). Composite samples may be taken by a proportional-sampling device approved by the Regional Water Board Executive Officer (Executive Officer) or by grab samples composited in proportion to flow. In compositing grab samples, the sampling interval shall not exceed one hour. The following shall constitute the influent monitoring program:

Constituent	Units	Type of Sample	Frequency
BOD (20°C, 5-day)	mg/l	24-hour composite	weekly
Settleable Solids	MI/l	grab	daily
Suspended Solids	mg/l	24-hour composite	weekly
Hydrogen Ion	PH	grab	daily
Coliform Organisms	MPN/100 ml	grab	weekly
Maximum Daily Flow	MGD	---	continuous
Mean Daily Flow	MGD	---	continuous

Monitoring Discharge to the Russian River:

Whenever there is a discharge to the Russian River, samples shall be collected downstream from the last connection through which effluent can be admitted in the outfall (Serial 001). The following shall constitute the monitoring program for the discharge to the Russian River:

Constituent	Units	Type of Sample	Frequency
BOD (20°C, 5-day)	mg/l	24-hour composite	weekly
Settleable Solids	ml/l	grab	daily
Suspended Solids	mg/l	24-hour composite	weekly
Hydrogen Ion	PH	grab	daily
Coliform Organisms	MPN/100 ml	grab	weekly
Chlorine Residual	Mg/l	grab	daily
Maximum Daily Flow	MGD	---	continuous
Mean Daily Flow	MGD	---	continuous
CTR Priority Pollutants ¹	µg/l	grab	Every 5 years
Acute Toxicity Bioassay ²	96-hour percent survival	grab	monthly
Turbidity	NTU	grab	weekly
Nitrate Nitrogen	mg/l	grab	monthly
Ammonia Nitrogen	mg/l	grab	monthly
Unionized Ammonia	mg/l	calculation	monthly
Phosphorous (PO ₄)	mg/l	grab	monthly
Copper, Nickel, Zinc	mg/l	grab	monthly
Toluene	mg/l	grab	annually
Tributyltin	ng/l	grab	annually
TCDD equivalents	pg/l	grab	annually
Priority Pollutant Metals ³	mg/l	grab	annually

Influent Monitoring:

Samples shall be collected at a point following solids grinding but preceding primary treatment. Composite samples may be taken by a proportional-sampling device approved by the Executive Officer or by grab samples composited in proportion to flow. In compositing grab samples, the sampling interval shall not exceed one hour. The following shall constitute the influent monitoring program:

¹ In accordance with Section 1.3 of the SIP, the Permittee shall conduct receiving water and ambient monitoring (at least once prior to the reissuance of its NPDES permit) for priority pollutants for which water quality criteria or objectives apply and for which no effluent limitations have been established.

² The rainbow trout, *Oncorhynchus mykiss*, shall be used as the test fish and test temperature shall be maintained at 12°C plus or minus 2°C.

Constituent	Units	Type of Sample	Frequency
BOD (20°C, 5-day)	mg/l	24-hour composite	weekly
Settleable Solids	mg/l	grab	daily
Suspended Solids	mg/l	24-hour composite	weekly
Maximum Daily Flow	MGD	---	continuous
Mean Daily Flow	MGD	---	continuous

Monitoring Receiving Water:

During periods of discharge to the Russian River, samples shall be taken upstream and downstream of the point of discharge, at locations approved by the Executive Officer. The following shall constitute the receiving water monitoring program:

Constituent	Units	Type of Sample	Frequency
Dissolved Oxygen	mg/l	grab	monthly
BOD (20°C, 5-day)	mg/l	grab	monthly
Hydrogen Ion	PH	grab	monthly
Turbidity	NTU	grab	monthly
Temperature	°C	grab	monthly
Hardness (CaCO ₃)	mg/l	grab	monthly
Nitrate Nitrogen	mg/l	grab	monthly
Ammonia Nitrogen	mg/l	grab	monthly
Phosphorous	mg/l	grab	monthly

Monitoring Groundwater:

Groundwater wells 1, 2, and 3 shall be sampled for the following constituents:

Constituent	Units	Type of Sample	Frequency
Hydrogen Ion	pH	grab	semi annually ⁴
Chloride	mg/l	grab	semi annually
Total dissolved solids	mg/l	grab	semi annually
Nitrate Nitrogen	mg/l	grab	semi annually
Depth to groundwater	feet	measurement	semi annually

⁴ Ground water samples shall be taken each year during the months of March and October.

Monitoring Storm Water:

Visual observations shall be conducted and samples shall be collected and analyzed in compliance with the Storm Water Monitoring Plan developed by the Permittee as described in Finding No. 13 of Order No. 99-65. The results of all observations and analyses shall be reported to the Regional Water Board annually as specified in the Storm Water Monitoring Plan described in Finding No. 13.

REPORTING

Monthly Report:

The purpose of the report is to document treatment performance, effluent quality and compliance with waste discharge requirements prescribed by Order No. 99-65. For each calendar month, a self-monitoring report shall be submitted⁵ to the Regional Water Board in accordance with the following:

1. The report shall be submitted by the first day of the second month following sampling.
2. *Letter of Transmittal:* Each report shall be submitted with a letter of transmittal. This letter shall include the following:
 - a. Identification of facility: Name, address, WDID number, Order number;
 - b. Date of report and monitoring period;
 - c. Identification of all violations of effluent limitations or other discharge requirements found during the monitoring period;
 - d. Details of the violations: parameters, magnitude, test results, frequency, and dates; the cause of the violation;
 - e. Discussion of corrective actions taken or planned to resolve violations and prevent recurrence, and dates or time schedule of action implementation.
 - f. Authorized signature and certification statement.
1. *Compliance Evaluation Summary:* Each report shall include a compliance evaluation summary. The summary shall illustrate clearly the facility's compliance with all effluent limitations and other waste discharge and reclamation requirements, as required. During periods of no discharge, the reports shall certify no discharge.
2. *Results of Analyses and Observations*
 - a. Tabulations of all required analyses, including parameter, sample date and time, sample station, and test result;

⁵ The word "submit" in this Monitoring and Reporting Program means that the document must be actually received by the Regional Water Board on the applicable due date.

- b. If the Permittee monitors any pollutant more frequently than required by this Permit, using test procedures approved under 40 CFR Part 136 or as specified in this Permit, the results of this monitoring shall be included in the calculation and report of the data submitted in the discharger monitoring report.
- c. Calculation of all effluent limitations that require averaging, taking of a median, or other calculation.

3. *Report Submittal:* Copies of each monitoring report shall be mailed to:

North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, CA 95403

Annual Report

The Permittee shall submit an annual report to the Regional Water Board for each calendar year. The report shall be submitted by March 1st of the following year. The report shall include, at a minimum, the following:

1. Both tabular and, where appropriate, graphical summaries of the monitoring data and disposal and reclamation records from the previous year.
2. A comprehensive discussion of the facility's compliance with all effluent limitations and other waste discharge and reclamation requirements, and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the Permit.

Ordered by _____

Catherine E. Kuhlman
Executive Officer

June 3, 2005